



Dr. A. Raghu Ram

B.Tech, M.Tech (Power Systems(HVE)), Ph.D,
MISTE, MIE

Professor & Chairperson Of Board Of Studies

Electrical & Electronics Engineering

Areas of Interest:

High Voltage Engineering, Electric Drives, Power Systems, Energy Systems.Â

Specialized in High Voltage Engineering having 22 years,5 months of teaching experience. Research arrears are Power System, Electric Drives, Energy Systems. Published 9 international and 14national technical papers. Co-ordinator for National level students symposium (Pragnyaâ€™08)

- ▶ Educational & Professional

- ▶ Academic Qualifications

- ▶ Ph.D in Electrical and Electronics Engineering , JNTU; Hyderabad (2008-2012)
- ▶ M.Tech in Power systems (HVE), JNTU; Hyderabad with I class with Distinction (1998-2000)
- ▶ B.Tech in Electrical and Electronics Engineering , JNTU with I class with Distinction (1991-1995)

▶ Professional Experience

- ▶ Teaching Experience

- ▶ Lecturer, Commissioner of Technical Education, Hyderabad, A.P (01-01-1970 TO - 2003-06-26)

- ▶ At JNTUH

- ▶ Professor & HOD, JNTU; Hyderabad (2018 - Till Date)
- ▶ Professor, JNTU; Hyderabad (2012 - Till Date)
- ▶ Associate Professor, JNTU; Hyderabad (2006 - 2009)
- ▶ Assistant Professor, JNTU; Hyderabad (2003 - 2006)

- ▶ **Research**

- ▶ **Research Projects**

- ▶ *1. Prof checking of Main Single Line Drawings of the Solar Power plant, Plant layout with SMB, Control room & Switchyard, DC, AC & Communication cable routing layouts, Earthing (DC & AC) & lightning layout, funded by Premier Solar Powertech PVT. LTD. - Rs. 35,400/- (sanctioned in 2018 duration of 2 years)*
- ▶ *2. Solar water heaters installed at KGBV and TSMS at various locations in Telangana State, funded by Telangana State KGBV and TSMS - Rs. 50,000/- (2018 - 2018)*
- ▶ *3. Calibration & Certification of the Measuring Instruments, funded by MAHINDRA - Rs. 8,260/- (2018 - 2018)*

- ▶ **Publications**

- **International Journals**

- ▶ *A novel method to optimize the power utilization of Single Fluid Heat Transfer System, Journal of Engineering Science and Technology, Vol No.12, Issue No.12*
- ▶ *Performance Analysis of Photovoltaic generation system, International journal Helix the Scientific Explorer, Vol No.8(3):3373-3376*
- ▶ *Sliding Mode Control (SMC) and Dynamic Sliding Mode Control (DSMC) of Split range plant and pH Neutralization plant using LabVIEW, i-managerTMs Journal on Instrumentation & Control Engineering, Vol No.3*
- ▶ *A Review on Importance of Solar Wind Hybrid Energy Systems, International Journal of Computational Engineering Research (IJCER), Vol No.7, Issue No.11*
- ▶ *Introduction to Solar Wind Hybrid Energy Systems, International Journal of Engineering Research in Electrical and Electronic Engineering (IJEREEE) , Vol No.3, Issue No.12*
- ▶ *Variable structure control of pH Neutralisation of a waste water treatment plant using LabVIEW, IEEE Conference on System, Process and Control (ICSPC 2015)*

-

National Journals

- ▶ *Wireless Sensor Network (WSN) based control of Level Control Module of Single Fluid Heat Transfer System, Journal of Instrumentation Society of India, Vol No.47, Issue No.1*

-

International Conference

- ▶ *PID And Fuzzy Control Of Ph Neutralization And Split Range Prototype Plants Using LabVIEW, IEEE Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology*
- ▶ *PID, SMC and DSMC techniques of a prototyped Split Range Plant using LabVIEW, IEEE International Conference on Control system, Computing and Engineering (ICCSCE 2015)*

- ▶ **Events Participated/Organized**

- **Organized**

- ▶ Organized a Workshop on Real time simulation of power systems, JNTUHCEH, 17-08-2018 to 18-08-2018
- ▶ Organized a Workshop on Workshop on Energy awareness and conservation measures., JNTUH-CEH, 26-03-2009 to 28-03-2009
- ▶ Organized a Workshop on Workshop on Electrical Wiring & Repair of Domestic Applications, JNTUH-CEH, 24-03-2009 to 25-03-2009
- ▶ Organized a Refresher Course on Modern Control Theory, JNTUHCEH,

- **Presented**

- ▶ Presented a paper in *PID And Fuzzy Control Of Ph Neutralization And Split Range Prototype Plants Using LabVIEW*, Karunya University,Coimbatore, 03-02-2017 to 04-02-2017
- ▶ Presented a paper in *Variable structure control of pH Neutralisation of a waste water treatment plant using LabVIEW*, Kuala Lumpur, Malaysia, 26-12-2015 to 28-12-2015
- ▶ Presented a paper in *PID,SMC and DSMC techniques of a prototyped Split Range Plant using Lab VIEW*, Penang, Malaysia, 27-11-2015 to 29-11-2015

- **Participated**

- ▶ Participated in a Workshop on *NBA Accreditation and SAR filling (under TEQUIP-II)Twinning Program*, JNTUHCEH, 18-02-2019 to 19-02-2019
- ▶ Participated in a Seminar on *Electrical circuits*, JNTUHCES,

- ▶ **Adminstrative Positions Held**

- ▶ Coordinator, TS-EAMCET, 12 Apr 2007 - 18 Jun 2008
- ▶ Additional Controller of Examinations, JNTUH
- ▶ Project Engineer Electrical, JNTUH
- ▶ Head of the department, JNTUHCEH
- ▶ Co-Convener, AERT-18, TS-TRANSCO
- ▶ Coordinator ,JPO/JAO 2018, TS-TRANSCO
- ▶ Project Officer, JNTUH

- ▶ **Project/Research Guidance**

- **Students**

Student Name	Title	Year	Download
S. Pranavanand	Application of Sliding mode controller for non linear systems	2019	
S.Harivardhagini	Development of an application Specific advanced variable structure controller (AVSC) for improved stability and dynamic response	2018	
M. Chandramouly	Hybrid Wind -Solar Energy System	0	
Ahmad Syed	Power loss minimization in Distribution system using feeder reconfiguration in the presence of distribution generation	0	

- ▶ **Countries/Foreign Universities**

- ▶ LOS VEGAS, NEVADA USA , 13-03-2012 to 16-03-2012 To Present a Paper In International Conferences

- ▶ **Others**

LIST OF PAPER PUBLICATIONS

2017-18

- S.Pranavanand and Dr. A. Raghuram, "A novel method to optimize the power utilization of Single Fluid Heat Transfer System", *Journal of Engineering Science and Technology*, Vol. No. 12, Issue No. 12, pp. 3299-3214.
- MerguChandramouly and Dr. A Raghuram "Performance Analysis of Photovoltaic generation system" *International journal Helix the Scientific Explorer*, Helix Vol. 8(3):3373-3376. DOI 10.29042/2018-3373-3376.

Â

2016-17

- S.Pranavanand and Dr. A. Raghuram, "Wireless Sensor Network (WSN) based control of Level Control Module of Single Fluid Heat Transfer System", *Journal of Instrumentation Society of India*, Vol. 47, Issue 1, March 2017, pp. 10-14.
- Ms.S.Harivardhagini and Dr.A.Raghuram "PID And Fuzzy Control Of Ph Neutralization And Split Range Prototype Plants Using LabVIEW" *IEEE Conference on Innovations in Electrical, Electronics, Instrumentation and Media Technology*, ICIEEIMT17 Karunya University, 3-4 February 2017, Coimbatore.
- Ms.S.Harivardhagini and Dr. A.Raghuram "Sliding Mode Control (SMC) and Dynamic Sliding Mode Control (DSMC) of Split range plant and pH Neutralization plant using LabVIEW" in *i-manager's Journal on Instrumentation & Control Engineering*, vol 4. No 3, May-July 2016, Pg No.13-20.
- MerguChandramouly and Dr. A Raghuram "A Review on Importance of Solar Wind Hybrid Energy Systems", *International Journal of Computational Engineering Research (IJCER)*, Vol. 07 - Issue 11 (November - 2017), *ISSN (e): 2250-3005*, pp.54-58
- MerguChandramouly and Dr. A Raghuram "Introduction to Solar Wind Hybrid Energy Systems" *International Journal of Engineering Research in Electrical and Electronic Engineering (IJEREEE)* Vol. 3, Issue 12, December 2017. *ISSN (Online) 2395-2717*.

Â

2015-16

Â

- Ms.S.Harivardhagini and Dr.A.Raghuram "pH control of a waste treatment plant implementing PID controller, Fuzzy logic controller, Sliding mode controller and Dynamic sliding mode controller using Lab VIEW" *International Joint Colloquiums on Computer Electronics Electrical Mechanical and Civil, CEMC*, October 10-11, 2015, Trivandrum.
- Ms.S.Harivardhagini and Dr.A.Raghuram "PID, SMC and DSMC techniques of a prototyped Split Range Plant using Lab VIEW" *2015 IEEE International Conference on Control system, Computing and Engineering (ICCSCE 2015)*, 27-29 November 2015, Penang, Malaysia. This paper has been awarded **IEEE BEST PAPER AWARD**.
- Ms.S.Harivardhagini and Dr.A.Raghuram "Variable structure control of pH Neutralisation of a waste water treatment plant using LabVIEW" *IEEE Conference on System, Process and Control (ICSPC 2015)*, 26-28 December, 2015 Kuala Lumpur, Malaysia.

Contact :

Dr. A. Raghu Ram

Electrical & Electronics Engineering

Official Email: raghurar_a@jntuh.ac.in

Alternate Email: raghurar_a@jntuh.ac.in

Phone: 040-23057787